

Application Serial No. 10/019,894  
Attorney Docket No. 10191/2142  
Reply to Office Action dated April 15, 2005

**AMENDMENTS TO THE CLAIMS:**

Without prejudice, this listing of the claims replaces all prior versions and listings of the claims in the present application:

**LISTING OF CLAIMS:**

- 1-5. (Canceled).
6. (Previously Presented) A navigation method for use in an on-board vehicle navigation system, the method comprising:
  - determining a route in the on-board vehicle navigation system in a vehicle;
  - transmitting information from a control center to the vehicle information system for use in providing optimized route planning, wherein only delta information representing required necessary deviations from a previously determined route for driving an alternative section of the route is transmitted from the control center to the vehicle navigation system.
7. (Previously Presented) The method of claim 6, wherein the transmitting includes transmitting a current vehicle position, a destination of the route and a database version information to the control center to initiate optimized route planning.
8. (Previously Presented) A method for use in controlling management of motor vehicle traffic flow, the method comprising:
  - transmitting information from a control center to an on-board vehicle navigation system in a vehicle to prevent a traffic problem; and
  - distributing the motor vehicle traffic flow among a plurality of detour segments in a controlled manner when there is a traffic problem and a plurality of feasible detour routes are available.
9. (Previously Presented) A vehicle navigation system for use in a vehicle, the vehicle navigation system comprising:
  - a determining arrangement to determine a route in the vehicle navigation system;
  - a transmitting arrangement to transmit information from a control center to the vehicle navigation system for use in providing optimized route planning, wherein only delta

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information representing required necessary deviations from a previously determined route for driving an alternative section of the route is transmitted from the control center to the vehicle navigation system.

10. (Previously Presented) A computer program for use in a traffic control center, comprising program code for executing a method for use in controlling management of motor vehicle traffic flow, the method including:

transmitting information from a control center to an on-board vehicle navigation system in a vehicle to prevent a traffic problem; and

distributing the motor vehicle traffic flow among a plurality of detour segments in a controlled manner when there is a traffic problem and a plurality of feasible detour routes are available.

11. (New) The navigation method of claim 6, wherein the delta information includes information required for driving on a detour route from the previously determined route, which is calculated in the vehicle navigation system.

12. (New) The navigation method of claim 11, wherein the detour route is a tertiary route.

13. (New) The vehicle navigation system of claim 9, wherein the delta information includes information required for driving on a detour route from the previously determined route, which is calculated in the vehicle navigation system.

14. (New) The vehicle navigation system of claim 13, wherein the detour route is a tertiary route.